

ABSTRACT OF THE DISCLOSURE

A knock sensor for an internal combustion engine with an electronically evaluated vibration sensor should have a simple design and allow a rational installation.

To this end, the vibration sensor is characterized in that

- the knock sensor comprises at least one spring washer (4, 4') that is or can be tensioned relative to the internal combustion engine, and

- a piezoresistive amorphous carbon layer (5) is applied onto at least one face of the at least one spring washer (4; 4').